

# COASTAL IMPACT ASSISTANCE PROGRAM

## Jefferson Parish Project Nominee Fact Sheet

**Project Title:** South Shore of the Pen Shoreline Protection and Marsh Restoration (BA-41)

**Entity/Individual nominating the project:** Jefferson Parish, Louisiana

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**Total CIAP Funds Requested:** \$ 17,500,000

**Parish CIAP Funds Proposed:** \$ 0

**State CIAP Funds Requested:** \$ 17,500,000

**Infrastructure Funds Proposed:** N/A

**Description and Location of the Project:** The project is located in Region 2, Barataria Basin, Jefferson Parish, South Shore of the Pen, Bayou Dupont, Barataria Bay Waterway.

The triangular landmass bounded by the southern shoreline of The Pen, the Barataria Bay Waterway (Dupre Cut) and the Pipeline Canal is deteriorating due to shoreline erosion (ranging from 4 to 27 feet per year) and interior marsh loss. Loss of this protective landmass would provide a more direct connection between the marine/tidal processes of the lower Barataria Basin and the freshwater-dominated upper basin. The goals of this project are to stop shoreline erosion and to create 74 acres and nourish 107 acres of marsh located between The Pen and Barataria Bay. Approximately 1,000 feet of concrete pile and panel wall and 10,900 feet of rock revetment would be constructed along the south shore of The Pen and Bayou Dupont. Two existing bayous will remain open and a site-specific opening to The Pen will be incorporated at the eastern marsh creation site. Dedicated dredging would be used to create approximately 74 acres of marsh, and nourish an additional 107 acres of marsh, within the triangular area bounded by the south shore of The Pen, the Barataria Bay Waterway (Dupre Cut) and the Creole Gas Pipeline Canal. Containment dikes constructed for marsh creation and nourishment will be degraded upon completion of construction.

**Project Type:** Conservation, restoration and protection of coastal area, including wetland

**Project Justification:** This project serves as the eastern extension of the CWPPRA Central Barataria Basin Land Bridge project and will provide synergy with previously constructed projects which include: Barataria Bay Waterway East Side Shoreline Protection (BA-26) and Naomi Outfall Management (BA-03c).

The project is consistent with the following coastal restoration initiatives:

COAST 2050: TOWARD A SUSTAINABLE COASTAL LOUISIANA:

*Coastwide Strategy:*

Dedicated Dredging for Wetland Creation

Maintenance of Bay and Lake Shoreline Integrity  
Vegetative Planting  
Maintain or Restore Ridge Function  
Stabilization of major navigation channels

*Regional Strategy:*

- #24. Build entire Breaux Act land bridge shore protection project.
- #25. Preserve bay and lake shoreline integrity on the land bridge.
- #26. Dedicated dredging to create marsh on land bridge

*Mapping Unit Strategies:*

- #12. Maintain ridge function.
- #13. Restore ridge function of Bayou Barataria.
- #14. Restore hydrology.

COASTAL IMPACT ASSISTANCE PROGRAM (CIAP):

Protect Critical infrastructure

**Project Cost Share:**      State = 0 %  
  Parish = 0 %